

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE <div style="text-align: center;">J</div>		PAGE OF PAGES <div style="text-align: center;">1 13</div>	
2. AMENDMENT/MODIFICATION NO. <div style="text-align: center;">0006</div>		3. EFFECTIVE DATE <div style="text-align: center;">28-Jul-2004</div>		4. REQUISITION/PURCHASE REQ. NO. <div style="text-align: center;">W16ROE-4100-7736</div>		5. PROJECT NO.(If applicable)	
6. ISSUED BY USA ENGINEER DISTRICT, NEW YORK ATTN:CENAN-CT ROOM 1843 26 FEDERAL PLAZA NEW YORK NY 10278		CODE <div style="text-align: center;">W912DS</div>		7. ADMINISTERED BY (If other than item 6) <div style="text-align: center; font-weight: bold;">See Item 6</div>			
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X		9A. AMENDMENT OF SOLICITATION NO. W912DS-04-R-0006	
				X		9B. DATED (SEE ITEM 11) 09-Jun-2004	
						10A. MOD. OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this amendment is: 1). To make changes to the specifications as detailed on the SF 30 continuation sheet. 2). To provide government responses to contractors' questions for informational purposes only. 3). To remind offerors that Past Performance questionnaires must be received by the contract specialist by 2:00:00 PM EST on the date proposals are due. 4). To provide a revised Bid Schedule with an additional line item for an optional above ground 100,000 gallon capacity firewater storage system. 5). To extend the due date for proposals to 12 August 2004 2:00:00 PM EST. NOTE: Bidders must acknowledge receipt of this amendment by the date specified in the solicitation by one of the following methods: in the space provided on the SF 1442, by separate letter, or by telegram, or by signing block 15 below. FAILURE TO ACKNOWLEDGE AMENDMENTS BY THE DATE AND TIME SPECIFIED MAY RESULT IN REJECTION OF YOUR BID IN ACCORDANCE WITH THE LATE BID, LATE MODIFICATIONS OF BIDS OR LATE WITHDRAWAL OF BIDS CLAUSE (FAR 14.304). Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				TEL: _____ EMAIL: _____			
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 28-Jul-2004	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

REVISED BID SCHEDULE/ AMEND. 6

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Design/Build FFP of Explosion Research and Development Loading Facility Administration Component, Site Work: All site work, including utilities, associated with the design and construction of the administration component, complete. PURCHASE REQUEST NUMBER: W16ROE-4100-7736	1	Lump Sum		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002	Design/Build FFP of Explosion Research and Development Loading Facility Administration Component, Building. All work associated with the Design and construction of the administration component, complete.	1	Lump Sum		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	Design/Build FFP of Explosion Research and Development Loading Facility Explosive Processing and Explosive Machining components, site work: All site work associated with the Design and Construction of the explosive processing and explosive machining components, complete.	1	Lump Sum		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	Design/Build FFP of Explosion Research and Development Loading Facility explosive processing and explosive machining components, building: All work associated with the design and construction of the explosive processing and explosive machining components, complete.	1	Lump Sum		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0005	Design/ Build FFP Of Explosion Research and Development Loading Facility Explosive storage component, site work: Allsite work associated with the design and construction of the explosive storage, complete.	1	Lump Sum		

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0006	Design/Build FFP of Explosion Research and Development Loading facility explosive storage component, building: all work associated with the Design and Construction of the Explosive storage component, complete.	1	Lump Sum		
NET AMT					

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0007	ROCK EXCAVATION (ESTIMATED QUANTITY) FFP IAW Section 01010, PARA. 2.5, (Excludes Price of Non-Rock Excavations Required by Contract) (Estimated Quantity)	175	Cubic Yard		
NET AMT					

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0008		1	Dollars, U.S.		

Project Punch List

FFP

TO: This line applies to all punch list items including those items identified at the prefinal and final inspections and is above the normal retainage for this item. Offerors shall include this amount in the bid price" \$50,000.00". This amount shall not be changed. This amount shall be retained by the Government in the event contractor fails to complete punch list items. This amount is separate from liquidated damages to be applied in the event the contractor fails to complete the work within the time specified in the contract including any extensions. See Section 00800 for additional information. (No partial payments will be provided until final acceptance of this item).

\$50,000.00

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0009		1	Dollars, U.S.		

50% As Built

FFP

Drawings Per The 00800 Section

For
Design Build a modern, approximately 28,000 square feet functionally configured explosive research and development facility, Picatinny, New Jersey (No partial payments will be provided until final acceptance of this item). \$7,500.00.
Reference Paragraph 1.10 e. (00800 Section)

\$7,500.00

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0010		1	Dollars, U.S.		

As-Built
FFP
Drawings Per The 00800 Section TO:
For Design Build a modern, approximately 28,000 square feet functionally
configured explosive research and development facility, Picatinny, New Jersey (No
partial payments will be provided until final acceptance of this item).
"\$15,000.00".

\$15,000.00

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0011		1	Lump Sum		
OPTION	Option 1: Design/Build FFP				

of upgrade of exterior of building 225: All work associated with the design and
construction of the refinishing of the exterior of the building 225 to be
architecturally compatible with other components of the project, complete (if
exercised), including required asbestos survey and abatement, demolition and new
constuction.

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0012		1	Lump Sum		
OPTION	Option 2: Design/Build FFP of enclosed 8 foot walkway between explosive research and development loading facility and building 225, complete: All work associated with the design and construction of the enclosed walkway from the explosive processing and explosive machining components to building 225, complete (if exercised), including sitework, foundations, framing, translucent siding, roofing, lighting, entry and exit doors.				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0013		1	Lump Sum		
OPTION	Option 3: Design/Build FFP of enclosed 8 foot walkway between explosive research and development loading facility and the administration component, complete: All work associated with the design and construction of the enclosed walkway from the explosive processing and explosive machining components to the administration component, complete (if exercised), including sitework, foundations, framing, translucent siding, roofing, lighting, entry and exit doors.				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0014		1	Lump Sum		
OPTION	100,000 Gallon Fire Water Storage FFP Design and construct above ground firewater storage with 100,000-gallon capacity, fire pump, and resultant piping system with barrier to protect structure from accidental explosive detonation from the completed project facilities, complete (if exercised), including sitework, foundations, structures, lighting, and egress doors (if required).				

NET AMT

FOB: Destination

TOTAL BASE (CLINS 0001-0010) \$ _____

TOTAL OPTIONS (CLINS 0011-0014)\$ _____

TOTAL BASE PLUS OPTIONS (CLINS 0001-0014)
\$ _____

EXERCISE OPTION PERIOD
Options may be exercised within 180 calendar days after award of the contract.

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

AMENDMENT 0006

Changes to the Specifications:

Section 01010, paragraph 4.3.8: Life Safety Plan

Delete the paragraph and replace with the following:

All structures shall have exits and means of egress that comply with the requirements of NFPA 101, to assure protection of occupants from fire or similar emergencies, except as modified by UFC 3-600-01. The facility shall be approved by the Department of Defense Explosives Safety Board (DDESB) prior to occupation, which requires a separate submittal, generally at the 60%-65% design completion stage. This operational review process and receipt of comments generally takes 60-180 days and must be closely coordinated with the DPW at Picatinny. Corrective actions identified by DDESB must be incorporated into the project design and facility construction.

Section 01010, paragraph 4.3.11: Security Design

Add the following to the end of the first sentence:

and the requirements of paragraph 4.3.11.1.

Add the following to section 01010:

4.3.11.1: Physical Security Design and Construction Requirements

The following requirements shall be met for any room/structure that will store explosives/energetics. Each room that has an explosive allowance shall be considered a space that will store explosives/energetics.

- a. Walls.* Walls will consist of 8 inches of concrete reinforced with No. 4 reinforcing bars at 9 inches on center in each direction, or 8-inch concrete block with No. 4 bars threaded through direction, or 8-inch concrete block with No. 4 bars threaded through block cavities filled with mortar or concrete and with horizontal joint reinforcement at each course.
- b. Ceilings and roofs.* Reinforcing bar spacing shall form a grid so that the area of any opening does not exceed 96 square inches using No. 4 bars or larger. The ceiling or roof shall be of concrete construction. The thinnest portion may not be less than 6 inches.
- c. Floors.* Floors, if on grade, will be a minimum of 6 inches concrete construction reinforced with 6 inches by 6 inches—W4 by W4 mesh or equivalent bars. Where the floor slab acts as the ceiling of an under-lying room or area, the ceiling standards apply.
- d. Doors.* Doors will be constructed of 1-3/4 inch thick solid or laminated wood with 12-gauge steel plate on the outside face, or will be standard 1-3/4 inch thick, hollow metal, industrial-type construction with minimum 14 gauge skin plate thickness, internally reinforced vertically with continuous steel stiffeners spaced 6 inches maximum on center.

- (1) Door bucks, frames, and keepers will be rigidly anchored and provided with antispread space filler reinforced to prevent disengagement of the lock bolt by prying or jacking of the door frame. The frames and locks for both interior and exterior doors will be so designed and installed as to prevent sufficient removal of the frame facing or the built-in locking mechanism to allow disengagement of the lock bolt from outside a secured room when the door is closed and locked.
 - (2) Construction requirements for door frames and thresholds will be as exacting as those for the doors themselves. For example, where metal doors are used, the frame and thresholds will be of metal. A GSA approved class 5 armory door or GSA approved Class 5 vault door with a built-in, three-position, dial-type, changeable combination lock, may be used instead of other doors or locks.
 - (3) Various types of hinges are commercially available. When choosing the proper type of hinge for secure area doors, hinges will be of the fixed pin security hinge type or equivalent; exposed hinge pins will be pinned, spot welded, or otherwise secured to prevent removal; and hinge mounting screws may not be exposed to the outside of the room except for class 5 steel vault door hinges.
 - (4) Shrouded high security Navy hasps shall be provided and installed for all doors.
 - (5) For spaces that require frangible panels, as per other Army Regulations, the door assembly shall be designed to serve as the frangible panels.
 - (6) All door dimensions identified in attachment A shall be considered minimum dimensions, width and/or height.
- e.* Windows and other openings. Windows and other openings will be sealed with material comparable to that forming the adjacent walls and otherwise limited to the minimum essential. Windows, ducts, vents, or similar openings of 96 square inches or more with the least dimension greater than 6 inches will be equipped with any of the following:
- (1) Three-eighth inch or larger hardened steel bars, provided the vertical bars are not more than 4 inches apart with horizontal bars welded to the vertical bars so that the openings do not exceed 32 square inches.
 - (2) Number 8 gauge high carbon manganese steel mesh with 2-inch diamond grid.
 - (3) Number 6 gauge steel mesh with 2-inch diamond grid when number 8 in (2) above, is not available.
 - (4) Bars or steel mesh will be securely embedded in the structure of the building or welded to a steel frame that will be securely attached to the wall with fastenings inaccessible from the exterior of arms storage facility.

Section 01010, paragraph 4.4.2.1: Substantial Dividing Walls

Add the following to the end of the second sentence:

and the requirements of paragraph 4.3.11.1.

Section 01010, paragraph 4.4.3: Explosive Storage Component

Remove the first sentence and replace with the following:

The explosive storage facility [magazine] will include a structure with four (4) rooms, each having clear interior space dimensions of 14'0" long by 14'0" wide. There will also be minimum clear interior height dimensions of 10'0" to equipment and 12'0" to the structure.

Section 01010, paragraph 4.4.3.1: Blow-out Design

Add the following to the end of the first sentence:

and the requirements of paragraph 4.3.11.1.

Section 01010, paragraph 6.5.3: Sprinkler Supply Water

Delete the contents of this paragraph and replace with the following:

A new water supply, of ten-inch nominal diameter, is currently being installed within the project area. Fire flow test data of this new supply is not available at this time. The Contractor should assume this new water supply will be of sufficient pressure and flow to accommodate all fire protection requirements for this project.

A bid option item, providing above ground firewater storage of 100,000 gallon capacity, fire pump, and resultant piping system with barrier to protect the structure from accidental explosive detonation from the completed project, is included should the Contractor conducted sprinkler tests and hydraulic calculations validate the requirement for a supplemental water source to meet the fire protection requirements of the project.

Section 01010, paragraph 10.5: High Energetic Material

Add the following to the end of the last sentence:

The storage magazine (explosive storage facility), in addition to all other design and code requirements, must comply with the requirements of Section 4.3.11.1.

Section 01012, paragraph 1.7.2: Government Review

Replace subsection c. with the following:

As an additional Quality Assurance check, the Government will send the 60-65% submittal to the Department of Defense Explosive Safety Board (DDESB) for review. DDESB operational review generally requires 60-180 days for review and issuance of comments. Corrective actions identified by DDESB must be incorporated into the project design and facility construction.

Attachment A: Architectural Room by Room Requirements

For Door information for rooms 400-403 add:

Type: E

Width: 6'0"

Height 8'0"

For Room 400-403 delete the ceiling height dimension and replace with, "10'0" clear to equipment and 12'0" clear to structure."

Contractor Questions with Government Responses for Informational Purposes Only

111. Contractor question: RFP Specification Section 01010-87, Para. 6.5.3 indicates that the Contractor should account for an underground firewater storage tank and fire pump to be utilized for the Fire Protection system. Our expanded calculation indicate that to meet the code requirement, an approximately 300,000 gallon water tank is needed. This tank may not be underground for its sheer size (over six stories high) at a cost (for the tank, insulation, concrete foundation and support, fire pump etc.) of over \$700,000.00. We are fearful that no Contractors are going to account for that tank since the RFP indicated an underground tank. Please clarify the requirement of that paragraph.

Government response: Offerors are reminded to provide proposals in compliance with the RFP requirements, specifically Section 6.5 Fire Protection.

112. Contractor question: The Safety Plan incorporated at the end of Amendment No. 5 is written for a substantially different room account than the one contained in the RFP (Amend. No.1 to 4). Different rooms are described in Amendment No. 5.

Government response: The revised Site Safety Plan (SSP) included in Amendment-0005 includes an overall site plan that differs from the suggested site plan described in the RFP. Offerors are instructed to use the explosive safety concerns, separation distances, suggested site layout, and safety related issues addressed in the revised Site Safety Plan included in Amendment 0005. Offerors should use the room descriptions, functional adjacencies, and design relationships described in the RFP for each building. Whereas the site plan may have changed, the individual building room layouts remain consistent with the RFP.

113. Contractor question: I request you to extend the bid due date by two weeks, to August 16, 2004.

Government response: The due date for receipt of proposals is extended to 2:00:00 PM EST on 12 August 2004.

SECTION 00010 - SOLICITATION CONTRACT FORM

The required response date/time has changed from 03-Aug-2004 02:00 PM to 12-Aug-2004 02:00 PM.

CLIN 0014 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0014		1	Lump Sum		
OPTION	100,000 Gallon Fire Water Storage FFP				
	Design and construct above ground firewater storage with 100,000-gallon capacity, fire pump, and resultant piping system with barrier to protect structure from accidental explosive detonation from the completed project facilities, complete (if exercised), including sitework, foundations, structures, lighting, and egress doors (if required).				

NET AMT

FOB: Destination

(End of Summary of Changes)